

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	218	(332/109).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/20 12:55
L2	187	l1 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/03/20 13:07
L3	127	mallinson.in.	US-PGPUB; USPAT	OR	OFF	2006/03/20 13:07
S1	60	(pulse adj width adj (modulator modulation)) and digital adj filter and clock adj rate and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/06 10:26
S2	0	S1 and (oversampling "over sampling" "over sample" "over sampler" oversample oversampler) adj (modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 10:42
S3	1	S1 and (oversampling "over sampling" "over sample" "over sampler" oversample oversampler) near2 (modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 10:43
S4	11	S1 and (oversampling "over sampling" "over sample" "over sampler" oversample oversampler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 10:43
S5	4	S4 and ("sigmal delta" "sigma-delta" sigmadelta)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 11:07
S6	8	((("5777512") or ("5974089") or ("6414560") or ("6515604"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 11:07
S7	60	(pulse adj width adj (modulator modulation)) and digital adj filter and clock adj rate and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 11:57
S8	11	S7 and (oversampling "over sampling" "over sample" "over sampler" oversample oversampler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:08

EAST Search History

S9	78	(oversampling "over sampling") adj modulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:08
S10	71	(oversampling "over sampling") adj modulat\$3 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:08
S11	7	S10 and (pwm "pulse width modulation")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:32
S12	2	S11 and digital adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:09
S13	7	S10 and (pwm "pulse width modulation" (pulse adj width adj modulat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:39
S14	151	("sigma delta" sigmadelta "sigma-delta" "delta sigma" "delta-sigma" deltasigma) near (oversampl\$3 over adj sampl\$3) near modulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:40
S15	143	("sigma delta" sigmadelta "sigma-delta" "delta sigma" "delta-sigma" deltasigma) near (oversampl\$3 over adj sampl\$3) near modulat\$3 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:40
S17	66	S15 and digital adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 12:41
S18	5	S17 and pulse adj width	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:12

EAST Search History

S19	14	(pulse adj width adj modulat\$4) and ((oversampl\$4 over adj (sampl\$4)) near modulat\$4) same (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta") and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:35
S20	13	("5245345").URPN.	USPAT	OR	OFF	2004/12/27 14:26
S21	45700	(pulse adj width adj modulat\$4) and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:36
S22	449	S21 and (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:37
S23	27	S21 and (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta") near ("d/a" "a/d" "digital to analog" "analog to digital") near converter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:38
S24	2	("5,245,343").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:41
S25	10	S23 and ("over sampl\$3" oversampl\$3 "over-sampl\$3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:51
S26	9016	pulse adj width adj modulator and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:51
S27	132	S26 and digital adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 14:52
S28	14	S27 and (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta") same (oversampl\$4 over adj (sampl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 15:22

EAST Search History

S29	2	("6466087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 15:53
S30	150	(first 1st) adj order adj (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta") adj modulator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 16:00
S31	0	(first 1st) adj order adj (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta") adj modulator and (IIR infinite adj impulse adj response) adj filter near3 (low adj pass "low-pass" lpf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 16:00
S32	130	(IIR infinite adj impulse adj response) adj filter near3 (low adj pass "low-pass" lpf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 16:00
S33	49	(first 1st) adj order adj (delta adj sigma deltasigma "delta-sigma" sigma adj delta sigmadelta "sigma-delta") adj modulator and audio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 11:22
S34	41	(IIR infinite adj impulse adj response) adj filter near3 (low adj pass "low-pass" lpf) and audio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 16:02
S35	0	(IIR infinite adj impulse adj response) adj filter near3 (low adj pass "low-pass" lpf) near3 single adj pole and audio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 16:03
S36	1	(IIR infinite adj impulse adj response) adj filter near3 (low adj pass "low-pass" lpf) near3 single adj pole	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/27 16:03
S37	2	("5245345").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 11:30

EAST Search History

S38	0	((two "2") adj channel adj output) and ((eight "8") adj channel adj output)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 11:31
S39	19	((eight "8") adj channel adj output)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 12:08
S40	2	("6243686").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 13:44
S41	2	("6425018").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 13:46
S42	2	("5903871").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 13:46
S43	2	("6466087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 11:32
S44	588	(700/94).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 09:50
S45	1	modulation adj depth near4 ("-1 db" "0 db" "-1db" "0db")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 09:59
S46	13	harmonic adj distortion near4 ("90db" "100db" "90 db" "100 db")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 14:01
S48	49	modulation adj depth same pulse adj width and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 10:07

EAST Search History

S49	2	modulation adj depth same pulse adj width same db and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/30 10:01
S50	1	modulation adj depth same pulse adj width and (audio music sound) and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 10:11
S51	214	modulation adj depth and pulse adj width and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 10:16
S52	61	modulation adj depth and pulse adj width and @ad<"20030717" not optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 10:21
S53	2	("6466087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 10:21
S54	2	("4555795").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/05 14:01
S56	2	("4555795").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/06 09:51
S57	2	("6735398").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/06 09:55
S58	0	("pulse width modulator" pwm) with ("digital filter") with (distortion noise) near reduction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 15:49
S59	76	("pulse width modulator" pwm) with ("digital filter")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 15:50

EAST Search History

S60	62	S59 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 15:50
S61	0	("pulse width modulator" pwm) with ("digital filter") with ((distortion noise) near reduction)	US-PGPUB; USPAT	OR	OFF	2005/08/03 09:47
S62	5	("pulse width modulator" pwm) with ("digital filter") with ((distortion noise))	US-PGPUB; USPAT	OR	OFF	2005/08/03 11:17
S63	2	("pulse width modulator" pwm) and ("digital filter") and (oversampl\$4 adj modulat\$4)	US-PGPUB; USPAT	OR	OFF	2005/08/03 11:20
S64	6	("pulse width modulator" pwm) and (filter) and (oversampl\$4 adj modulat\$4)	US-PGPUB; USPAT	OR	OFF	2005/08/03 11:20
S65	1	("6466087").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/03 11:22
S66	19	("5144308" "5745061" "5777512" "5889482" "5901176" "5990815" "5990819" "6011501" "6087969" "6140952" "6150969" "6344811").PN. OR ("6466087").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 11:38
S67	440	"class d" and PWM ("pulse width modulator") near digital adj filter	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 11:38
S68	1	("class d") and (PWM ("pulse width modulator")) near digital adj filter	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 11:41
S69	1096	(330/10).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/03 11:45
S70	315	S69 and ("pwm" "pulse width modulator") and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:46
S71	275	S70 and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:46
S72	28	S71 and oversampl\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:46

EAST Search History

S73	13	("4520438" "5023566" "5057720" "5548286" "5617058" "5629616" "5939931" "5982231" "6014055" "6028476" "6097249" "6107876").PN. OR ("6593807").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 11:47
S74	297	("pulse width modulator" pwm) with ((distortion noise) near (reduc\$4 remov\$4 correct\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:53
S75	267	S74 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:53
S76	4	S75 and digital adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:56
S77	1	S76 and oversampl\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 11:53
S78	2	("6414613").PN. OR ("6727832").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 11:57
S79	15	("5548286" "5777512" "5784017" "5815102" "5866969" "5901176").PN. OR ("6373334").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 11:57
S80	7	((("sigma delta" "sigmadelta" "sigma-delta") adj modulat\$5) and (pwm pulse adj width adj modulat\$5) near (distortion noise error))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 12:02
S81	9	((("6795004") or ("5559467") or ("5974089") or ("6344811") or ("6466087") or ("6794930") or ("5,777,512") or ("5,974,089") or ("6,414,560") or ("6,515,604")).PN. or (2004/0165661).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/03 12:07
S82	22	("sigma-delta" "sigmadelta" "sigma delta") and (pwm pulse adj width adj modulat\$5) and (IIR "Infinite impulse response")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:08
S83	0	("2005/0012545").URPN.	USPAT	OR	OFF	2005/08/03 12:14

EAST Search History

S84	27	correct adj (pwm "pulse width" adj modulat\$5)	USPAT	OR	OFF	2005/08/03 12:15
S85	10	("4818996" "5153593").PN. OR ("5977896").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 12:45
S86	42	(708/307).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/03 12:45
S87	42	S86 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:45
S88	10	("4818996" "5153593").PN. OR ("5977896").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 12:48
S89	62	(pulse adj width adj (modulator modulation)) and digital adj filter and clock adj rate and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:51
S90	62	(pulse adj width adj (modulator modulation)) and digital adj filter and (over adj sampl\$5 oversampl\$5) and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:51
S91	90	(pulse adj width adj (modulat\$5 pwm) and (digital adj filter) and (over adj sampl\$5 oversampl\$5) and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:52
S92	1	(pulse adj width adj (modulat\$5 pwm) near (noise distortion) and (digital adj filter) and (over adj sampl\$5 oversampl\$5) and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:52
S93	2	("6414613").PN. OR ("6727832").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 12:59
S94	85	(341/77).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/03 12:59
S95	82	S94 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/03 12:59
S96	7	("5469475").URPN.	USPAT	OR	OFF	2005/08/03 13:03
S97	30	filter adj ("pwm" pulse width modulat\$) adj output	USPAT	OR	OFF	2005/08/03 13:04

EAST Search History

S98	29	S97 and @ad<"20030717"	USPAT	OR	OFF	2005/08/03 13:03
S99	7	filter adj ("pwm" "pulse width" adj modulat\$) adj output	USPAT	OR	OFF	2005/08/03 13:04
S100	11	(IIR "infinite impulse response") and (feedback "feed back") and ("sigma delta" "delta sigma" "sigma-delta" "delta-sigma" "sigmadelta" "deltasigma") and (pwm "pulse width" adj modulat\$5)	USPAT	OR	OFF	2005/08/03 13:06
S101	15	("4178557" "4831334" "5132637" "5410280" "5617058" "5699383" "5886573" "5959499" "6054896" "6078216" "6147553" "6342810" "6373334" "6407635").PN. OR ("6593806").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/03 13:09
S102	1751	((341/143) or (341/152)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:00
S103	1660	S102 and @ad<"200030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:03
S104	78	(332/107).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:04
S106	55	S104 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:14
S107	143	332/106	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:14
S108	164	(332/106).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:14
S112	57	S108 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:20
S113	0	708/305.ccls	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:20
S114	26	(708/305).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:20
S115	68	(708/305,307).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:21

EAST Search History

S11 6	68	S115 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:25
S11 7	1990	(341/152,143).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:26
S11 8	1751	(341/143,152).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:27
S11 9	1493	S118 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:27
S12 0	1355	S119 and (pwm pulse modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:27
S12 1	142	S119 and (pwm pulse adj modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:44
S12 2	2	("6515604").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:44
S12 3	13	("5055846" "5243345" "5274375" "5392042" "5420892" "5724037" "5757300" "5805093" "5859603" "6064326" "6307493" "6362763" "6404369").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/08 12:46
S12 4	2	("5,777,512").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:46
S12 5	0	("sigma delta" "delta sigma") adj to adj (pwm pulse adj width adj modulat\$4 pulse adj modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:47

EAST Search History

S12 6	159	("sigma delta" "delta sigma") with (pwm pulse adj width adj modulat\$4 pulse adj modulat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:47
S12 7	103	S126 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 12:47
S12 8	136	("sigma delta" "delta sigma") with (pwm pulse adj width adj modulat\$4 pulse adj modulat\$4)	US-PGPUB; USPAT	OR	OFF	2005/08/08 12:47
S12 9	84	S128 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2005/08/08 13:17
S13 0	33122	("381").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 13:18
S13 1	268	S130 and ("pwm" pulse adj width adj modulat\$4 pulse adj modulat\$4)	US-PGPUB; USPAT	OR	OFF	2005/08/08 13:19
S13 2	21948	(700/94).CCLS. or ("381").CLAS.	US-PGPUB; USPAT	OR	OFF	2005/08/08 13:18
S13 3	273	S132 and ("pwm" pulse adj width adj modulat\$4 pulse adj modulat\$4)	US-PGPUB; USPAT	OR	OFF	2005/08/08 13:21
S13 4	231	S133 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2005/08/08 13:21
S13 6	2	((("6466087") or ("6208279")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/06 11:30
S13 7	6	(digital adj filter) with (pwm "pulse width modulator" "pulse width modulation") with noise and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/07 13:50
S13 8	72	(digital adj filter) with (pwm "pulse width modulator" "pulse width modulation") and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/07 16:31
S13 9	31020	"375"/\$ and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/07 16:32

EAST Search History

S14 0	785	"375"/\$ and filter near (noise distortion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/07 16:32
S14 1	472	(375/238).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/09 15:34
S14 2	381	S141 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/02/09 15:35
S14 3	249	S142 and (noise error)	US-PGPUB; USPAT	OR	OFF	2006/02/09 15:36
S14 4	12	("4140980" "4724396" "5077539" "5378933" "5451893" "5506532" "5521549" "5594324" "5617058" "5708433" "5963106" "6466087").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/09 15:39
S14 5	0	"over sampl\$4" and ("sigma delta" "delta sigma") and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S14 6	0	"oversampl\$4" and ("sigma delta" "delta sigma") and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S14 7	0	"over sampl\$4" and ("sigma delta" "delta sigma")	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S14 8	0	"over sampl\$4"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S14 9	0	"over-sampl\$4"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S15 0	0	"ove-sampl\$4"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S15 1	0	"oversampl\$4"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S15 2	697136	(over and sampl\$4)	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:30
S15 3	589	(over adj sampl\$4) and ("sigma delta" "delta sigma") and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:31
S15 4	263	S153 and (audio sound music)	US-PGPUB; USPAT	OR	OFF	2006/02/09 16:31
S15 6	1	("6208279").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/13 10:50
S15 7	281	pcm with pcm with resolution	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 10:59

EAST Search History

S15 8	245	S157 and @ad<"20030717"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 10:59
S15 9	84	S158 and digital adj audio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/14 11:12
S16 0	586	(375/242).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:12
S16 1	0	S160 and @ad<"200307"	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:13
S16 2	2932669	"17"	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:13
S16 3	435	S160 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:13
S16 4	2	S163 and pcm with resolution	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:14
S16 5	2105	(375/241-254).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:14
S16 6	1	S165 and @ad<"20030717" and "first resolution" and "second resolution"	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:15
S16 7	1	S165 and @ad<"20030717" and "second resolution"	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:16
S16 8	0	S165 and @ad<"20030717" and "pcm to pcm conversion"	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:16
S16 9	165	S165 and @ad<"20030717" and pcm with conversion	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:16
S17 0	52	S165 and @ad<"20030717" and (reduce lower) with resolution	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:17
S17 1	1	("6466087").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/15 10:06
S17 2	20	("5144308" "5745061" "5777512" "5889482" "5901176" "5990815" "5990819" "6011501" "6087969" "6140952" "6150969" "6344811").PN. OR ("6466087").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 11:29
S17 3	1138	(oversampling "over sampling") with ("sigma delta" "delta sigma")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 11:30

EAST Search History

S17 4	35	((oversampling "over sampling") with ("sigma delta" "delta sigma")) same (pcm "pulse code modulation") and @ad<"20030717"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 11:30
S17 5	1990	((700/94) or (330/10)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/15 10:06
S17 6	1591	S175 and @ad>"2002"	US-PGPUB; USPAT	OR	OFF	2006/03/15 10:07
S17 7	46	(pwm "pulse width" pulse) same (filter) same (oversampl\$4 over adj sampl\$4)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 11:17
S17 8	371	(pwm "pulse width" pulse) near (noise distortion error) same (filter)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 11:18
S17 9	1	((pwm "pulse width" pulse) near (noise distortion error) same (filter)) and (oversampl\$4 or over adj sampl\$4)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 11:18
S18 0	577	375/238	US-PGPUB; USPAT	OR	OFF	2006/03/20 12:18
S18 1	480	375/238.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/20 12:18
S18 2	383	S181 and @ad<"20030717"	US-PGPUB; USPAT	OR	OFF	2006/03/20 12:54